

What is claimed is:

1. An adapter for a three-dimensional moving image photographing device having a photographing lens and an output terminal, comprising:

5 a lens unit comprising an entrance lens part and an exit lens part, each of the entrance and exit lens parts including release lenses, the release lenses of the entrance and exit lens parts being disposed in the middle of the lens unit, the entrance and exit lens parts being arranged symmetrically to each other in a line so that a moving image passing through the entrance lens part is reversed at a magnification of 1:1 to leave the exit lens part, the lens unit being disposed in front of the photographing lens and having an entrance pupil point of the entrance lens part formed outside the
10 entrance lens part; and

an adapter housing disposed in front of the lens unit for alternately passing right and left moving images of an object having been introduced along second and third light axes therethrough so that the right and left moving images of the object enters the lens unit along a light axis of the photographing lens, the second and third light axes being spaced at prescribed distances from the
15 light axis of the photographing lens in the right and left directions, respectively.

2. The adapter as set forth in claim 1, wherein the adapter housing comprises:

a first prism having an inclined surface on the light axis of the photographing lens;

a second prism disposed between the first prism and the lens unit for transmitting the moving image reflected by the first prism;

20 a third prism having an inclined surface on the second light axis for reflecting the moving image having been introduced along the second light axis toward the light axis of the photographing lens; and

a total reflecting mirror disposed on the third light axis for reflecting the moving image

having been introduced along the third light axis to the first prism,

wherein the second and third prisms are combined with each other, and the second and third prisms have an interface provided therebetween on the light axis of the photographing lens, the interface being inclined at a prescribed angle to the light axis of the photographing lens and coated with a dielectric substance having a reflectivity of 50 % and a transmissivity of 50 %.

3. The adapter as set forth in claim 1, wherein the adapter housing comprises:

a first total reflecting mirror disposed on the light axis of the photographing lens, the first total reflecting mirror being inclined at a prescribed angle relative to the light axis of the photographing lens;

a second total reflecting mirror disposed on the second light axis while being inclined at a prescribed angle relative to the second light axis for reflecting the moving image having been introduced along the second light axis toward the light axis of the photographing lens;

a third total reflecting mirror disposed on the third light axis while being inclined at a prescribed angle relative to the third light axis for reflecting the moving image having been introduced along the third light axis toward the light axis of the photographing lens; and

a half-reflecting mirror disposed on the light axis of the photographing lens between the first total reflecting mirror and the lens unit while being inclined at a prescribed angle relative to the light axis of the photographing lens for reflecting the moving image having been introduced along the second light axis and reflected by the second total reflecting mirror, and transmitting the moving image having been introduced along the third light axis and reflected by the third and first total reflecting mirrors.

4. The adapter as set forth in claim 2, further comprising a shutter arranged over the light axis of the photographing lens and the second light axis, the shutter being disposed between the first

prism and the second prism on the light axis of the photographing lens and also disposed in front of the third prism on the second light axis,

wherein the shutter has a circular section, a half of the circular section being transparent and the other half of the circular section being opaque, for alternately passing the right and left moving
5 images of the object having been introduced along the second and third light axes therethrough.

5. The adapter as set forth in claim 3, further comprising a shutter arranged over the light axis of the photographing lens and the second light axis, the shutter being disposed between the half-reflecting mirror and the first total reflecting mirror on the light axis of the photographing lens and also disposed in front of the second total reflecting mirror on the second light axis,

10 wherein the shutter has a circular section, a half of the circular section being transparent and the other half of the circular section being opaque, for alternately passing the right and left moving images of the object having been introduced along the second and third light axes therethrough.

6. The adapter as set forth in claim 4 or 5, wherein the distance between the light axis of the photographing lens and the second light axis is equal to the distance between the light axis of the
15 photographing lens and the third light axis.

7. The adapter as set forth in claim 1, wherein the entrance lens part and exit lens part of the lens unit are parallel with each other while being spaced apart from each other, and each lens part has a Porro-prism, which is formed in the shape of right-angled isosceles triangles and arranged opposite to each other so that the moving image is reversed.